

WEST Search History

DATE: Tuesday, December 12, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L41	HPV-45 and codon optimized and yeast	1
<input type="checkbox"/>	L40	papillomavirus type 45 and codon optimized and yeast	0
<input type="checkbox"/>	L39	papillomavirus and codon optimized and yeast	25
<input type="checkbox"/>	L38	papillomavirus and codon optimized and yeast.clm.	6
<input type="checkbox"/>	L37	papillomavirus codon optimized and yeast.clm.	0
<input type="checkbox"/>	L36	codon optimized and yeast.clm.	36
<input type="checkbox"/>	L35	codon optimized and yeast	260
<input type="checkbox"/>	L34	HPV-45 and yeast	19
<input type="checkbox"/>	L33	HPV-45 and yeast.clm.	1
<input type="checkbox"/>	L32	HPV-45 and host cell.clm.	1
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<input type="checkbox"/>	L30	7001995 and host cell	1
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<input type="checkbox"/>	L18	WO-2003068933-A2.did.	0
<input type="checkbox"/>	L17	WO-2003068933-A2.did.	0
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<input type="checkbox"/>	L12	Robinson R A.in. <i>DB=PGPB; PLUR=YES; OP=ADJ</i>	32
<input type="checkbox"/>	L11	codon optimized and HPV.clm.	17
<input type="checkbox"/>	L10	codon optimized and HPV	59
<input type="checkbox"/>	L9	Gissmann.in. and codon optimized <i>DB=USPT; PLUR=YES; OP=ADJ</i>	0
<input type="checkbox"/>	L8	Gissmann.in. and salimi.xp.	6
<input type="checkbox"/>	L7	codon optimized and human papillomavirus	19
<input type="checkbox"/>	L6	codon optimized and human papillomavirus.clm.	3
<input type="checkbox"/>	L5	yeast and HPV.clm. and salimi.xp.	33
<input type="checkbox"/>	L4	yeast and HPV and salimi.xp.	56
<input type="checkbox"/>	L3	optimized and HPV and salimi.xp.	13
<input type="checkbox"/>	L2	codon optimized and HPV.clm.	2
<input type="checkbox"/>	L1	codon optimized and HPV.clm.	2

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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: AU 2003219760 A8, WO 2003068933 A2, AU 2003219760 A1, US 20040121465 A1

L13: Entry 1 of 3

File: DWPI

Oct 27, 2005

DERWENT-ACC-NO: 2003-689664

DERWENT-WEEK: 200624

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TITLE: New codon optimized polynucleotide encoding a viral capsid protein that self assembles into a virus-like particle, useful for diagnosing, preventing or treating human papillomavirus infections or associated disorders

INVENTOR: ROBINSON, R A

PRIORITY-DATA: 2002US-356162P (February 14, 2002), 2002US-356113P (February 14, 2002), 2002US-356118P (February 14, 2002), 2002US-356119P (February 14, 2002), 2002US-356123P (February 14, 2002), 2002US-356126P (February 14, 2002), 2002US-356133P (February 14, 2002), 2002US-356135P (February 14, 2002), 2002US-356150P (February 14, 2002), 2002US-356151P (February 14, 2002), 2002US-356152P (February 14, 2002), 2002US-356154P (February 14, 2002), 2002US-356156P (February 14, 2002), 2002US-356157P (February 14, 2002), 2002US-356161P (February 14, 2002), 2003US-0367367 (February 14, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 2003219760 A8</u>	October 27, 2005		000	C07H021/02
<u>WO 2003068933 A2</u>	August 21, 2003	E	123	C12N000/00
<u>AU 2003219760 A1</u>	September 4, 2003		000	C12N000/00
<u>US 20040121465 A1</u>	June 24, 2004		000	C12N015/86

INT-CL (IPC): A01N 63/00; A61K 39/00; C07H 21/02; C07H 21/04; C12N 0/00; C12N 5/00; C12N 5/06; C12N 7/01; C12N 15/00; C12N 15/63; C12N 15/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: AU 2003213060 A8, WO 2003068163 A2, AU 2003213060 A1, US 20050118191 A1

L13: Entry 2 of 3

File: DWPI

Oct 27, 2005

DERWENT-ACC-NO: 2003-689598

DERWENT-WEEK: 200624

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TITLE: New chimeric virus-like particles comprising a recombinant viral capsid

protein encapsulating a recombinant viral protein, useful for inducing humoral and/or cell-mediated immunity against papillomavirus infection

INVENTOR: CIOCE, V; ROBINSON, R A

PRIORITY-DATA: 2002US-356162P (February 14, 2002), 2002US-356113P (February 14, 2002), 2002US-356118P (February 14, 2002), 2002US-356119P (February 14, 2002), 2002US-356123P (February 14, 2002), 2002US-356126P (February 14, 2002), 2002US-356133P (February 14, 2002), 2002US-356135P (February 14, 2002), 2002US-356150P (February 14, 2002), 2002US-356151P (February 14, 2002), 2002US-356152P (February 14, 2002), 2002US-356154P (February 14, 2002), 2002US-356156P (February 14, 2002), 2002US-356157P (February 14, 2002), 2002US-356161P (February 14, 2002), 2004US-0918337 (August 13, 2004)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 2003213060 A8</u>	October 27, 2005		000	C07H021/02
<u>WO 2003068163 A2</u>	August 21, 2003	E	126	A61K000/00
<u>AU 2003213060 A1</u>	September 4, 2003		000	A61K000/00
<u>US 20050118191 A1</u>	June 2, 2005		000	A61K039/12

INT-CL (IPC): A01N 63/00; A61K 0/00; A61K 39/00; A61K 39/12; C07H 21/02; C07H 21/04; C12N 5/00; C12N 5/06; C12N 7/00; C12N 15/00; C12N 15/63; C12P 21/04

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: AU 2003217413 A1, WO 2003068993 A1, US 20040063188 A1

L13: Entry 3 of 3

File: DWPI

Sep 4, 2003

DERWENT-ACC-NO: 2003-679645

DERWENT-WEEK: 200428

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TITLE: Purifying a recombinant human papillomavirus (HPV) L1, useful for diagnosing, preventing or treating HPV infections, comprises clarifying, concentrating and diafiltering cells containing HPV particles

INVENTOR: ROBINSON, R A; THOMPSON, M W

PRIORITY-DATA: 2002US-356162P (February 14, 2002), 2002US-356113P (February 14, 2002), 2002US-356118P (February 14, 2002), 2002US-356119P (February 14, 2002), 2002US-356123P (February 14, 2002), 2002US-356126P (February 14, 2002), 2002US-356133P (February 14, 2002), 2002US-356135P (February 14, 2002), 2002US-356150P (February 14, 2002), 2002US-356151P (February 14, 2002), 2002US-356152P (February 14, 2002), 2002US-356154P (February 14, 2002), 2002US-356156P (February 14, 2002), 2002US-356157P (February 14, 2002), 2002US-356161P (February 14, 2002), 2003US-0368046 (February 14, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>AU 2003217413 A1</u>	September 4, 2003		000	C12Q001/70
<u>WO 2003068993 A1</u>	August 21, 2003	E	111	C12Q001/70
<u>US 20040063188 A1</u>	April 1, 2004		000	C12N007/02

INT-CL (IPC): C12N 7/02; C12P 21/06; C12P 21/066; C12Q 1/70

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw D
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L12 and papillomavirus

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Search Results - Record(s) 1 through 10 of 17 returned.

☐ 1. Document ID: US 20060251676 A1

L11: Entry 1 of 17

File: PGPB

Nov 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060251676

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060251676 A1

TITLE: Hpv-16 and-18 11 vlp vaccine

PUBLICATION-DATE: November 9, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dubin; Gary	King of Prussia	PA	US
Innis; Bruce	King of Prussia	PA	US
Slaoui; Moncef Mohammed	King of Prussia	PA	US
Wettendorff; Martine Anne Cecile	King of Prussia	PA	US

US-CL-CURRENT: 424/204.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 2. Document ID: US 20060240040 A1

L11: Entry 2 of 17

File: PGPB

Oct 26, 2006

PGPUB-DOCUMENT-NUMBER: 20060240040

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060240040 A1

TITLE: Optimized expression of hpv 45 11 in yeast

PUBLICATION-DATE: October 26, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bryan; Janine T.	Furlong	PA	US
Brownlow; Michelle K.	Jamison	PA	US
Schultz; Loren D.	Harleysville	PA	US
Jansen; Kathrin U.	Doylestown	PA	US

US-CL-CURRENT: 424/204.1; 435/254.2, 435/483, 977/802

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 3. Document ID: US 20060177817 A1

L11: Entry 3 of 17

File: PGPB

Aug 10, 2006

PGPUB-DOCUMENT-NUMBER: 20060177817

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060177817 A1

TITLE: Codon-optimized papilloma virus sequences

PUBLICATION-DATE: August 10, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Jansen; Kathrin U.	Doylestown	PA	US
Schultz; Loren D.	Harleysville	PA	US
Neeper; Michael P.	Collegeville	PA	US
Markus; Henry Z.	Wyncote	PA	US

US-CL-CURRENT: 435/5; 435/254.21, 435/325, 435/456, 435/69.3, 530/350, 536/23.72, 977/804

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 4. Document ID: US 20060165713 A1

L11: Entry 4 of 17

File: PGPB

Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060165713

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060165713 A1

TITLE: Vaccine

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gough; Gerald	Stevenage		GB
Roberts; Christopher	Stevenage		GB

US-CL-CURRENT: 424/186.1; 435/320.1, 435/325, 435/5, 435/69.1, 514/44, 530/350, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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☐ 5. Document ID: US 20050244432 A1

L11: Entry 5 of 17

File: PGPB

Nov 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050244432
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050244432 A1

TITLE: Vaccine

PUBLICATION-DATE: November 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Castillo, Jose Antonio	Rixensart		BE
Deschuyteneer, Michel Olivier Simon Christian	Rixensart		BE

US-CL-CURRENT: 424/204.1; 435/235.1, 435/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 6. Document ID: US 20050175632 A1

L11: Entry 6 of 17

File: PGPB

Aug 11, 2005

PGPUB-DOCUMENT-NUMBER: 20050175632
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050175632 A1

TITLE: Viral antigens

PUBLICATION-DATE: August 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wettendorff, Martine Anne Cecile	Rixensart		BE

US-CL-CURRENT: 424/204.1; 424/229.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 7. Document ID: US 20050118191 A1

L11: Entry 7 of 17

File: PGPB

Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050118191
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050118191 A1

TITLE: Optimization of gene sequences of chimeric virus-like particles for

expression in insect cells

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Robinson, Robin A.	Dickerson	MD	US
Cioce, Vittoria	Kinsington	MD	US

US-CL-CURRENT: 424/199.1; 435/235.1, 435/348, 435/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 20050118139 A1

L11: Entry 8 of 17

File: PGPB

Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050118139

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050118139 A1

TITLE: Vaccine using papilloma virus e proteins delivered by viral vector

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Huang, Lingyi	Norristown	PA	US
Jansen, Kathrin U.	Doylestown	PA	US
McClements, William L.	Doylestown	PA	US
Monteiro, Juanita M.	Cheltenham	PA	US
Schultz, Loren D.	Harleysville	PA	US
Tobery, Timothy W.	Wilmington	DE	US
Wang, Xin-Min	Schwenksville	PA	US
Chen, Ling	The Woodlands	TX	US

US-CL-CURRENT: 424/93.2; 435/456, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 20050075303 A1

L11: Entry 9 of 17

File: PGPB

Apr 7, 2005

PGPUB-DOCUMENT-NUMBER: 20050075303

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050075303 A1

TITLE: Synthetic human papilloma virus genes

PUBLICATION-DATE: April 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Neeper, Michael P.	Collegeville	PA	US
McClements, William L.	Doylestown	PA	US
Jansen, Kathrin U.	Doylestown	PA	US
Schultz, Loren D.	Harleysville	PA	US
Chen, Ling	Blue Bell	PA	US
Wang, Xin-Min	Schwenksville	PA	US

US-CL-CURRENT: 514/44; 435/5, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 10. Document ID: US 20050037337 A1

L11: Entry 10 of 17

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050037337

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050037337 A1

TITLE: Papilloma virus sequences

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ertl, Peter Franz	Stevenage		GB
Gough, Gerald Wayne	Stevenage		GB
Ring, Christopher Jeffrey Alan	Stevenage		GB
Parmar, Vanita	Stevenage		GB
Walcott, Sarah Marina	Stevenage		GB

US-CL-CURRENT: 435/5; 435/6, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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Terms

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codon optimized and HPV.clm.

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Display Format: CIT

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WEST Search History

DATE: Tuesday, December 12, 2006

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<input type="checkbox"/>	L19	AU-2003219760-A8.did.	0
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		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
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		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L6	codon optimized and human papillomavirus.clm.	3
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<input type="checkbox"/>	L4	yeast and HPV and salimi.xp.	56
<input type="checkbox"/>	L3	optimized and HPV and salimi.xp.	13
<input type="checkbox"/>	L2	codon optimized and HPV.clm.	2

☐ L1 codon optimized and HPV.clm.

2

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- ☐ 1: [Dias D, Van Doren J, Schlottmann S, Kelly S, Puchalski D, Ruiz W, Boerckel P, Kessler J, Antonello JM, Green T, Brown M, Smith J, Chirmule N, Barr E, Jansen KU, Esser MT.](#) [Related Articles, Links](#)



Optimization and validation of a multiplexed luminex assay to quantify antibodies to neutralizing epitopes on human papillomaviruses 6, 11, 16, and 18.

Clin Diagn Lab Immunol. 2005 Aug;12(8):959-69.

PMID: 16085914 [PubMed - indexed for MEDLINE]

- ☐ 2: [Opalka D, Lachman CE, MacMullen SA, Jansen KU, Smith JF, Chirmule N, Esser MT.](#) [Related Articles, Links](#)



Simultaneous quantitation of antibodies to neutralizing epitopes on virus-like particles for human papillomavirus types 6, 11, 16, and 18 by a multiplexed luminex assay.

Clin Diagn Lab Immunol. 2003 Jan;10(1):108-15.

PMID: 12522048 [PubMed - indexed for MEDLINE]

- ☐ 3: [Brown DR, Bryan JT, Schroeder JM, Robinson TS, Fife KH, Wheeler CM, Barr E, Smith PR, Chiacchierini L, DiCello A, Jansen KU.](#) [Related Articles, Links](#)



Neutralization of human papillomavirus type 11 (HPV-11) by serum from women vaccinated with yeast-derived HPV-11 L1 virus-like particles: correlation with competitive radioimmunoassay titer.

J Infect Dis. 2001 Nov 1;184(9):1183-6. Epub 2001 Sep 27.

PMID: 11598842 [PubMed - indexed for MEDLINE]

- ☐ 4: [Wang X, Sapp M, Christensen ND, Dillner J.](#) [Related Articles, Links](#)



Heparin-based ELISA reduces background reactivity in virus-like particle-based papillomavirus serology.

J Gen Virol. 2005 Jan;86(Pt 1):65-73.

PMID: 15604432 [PubMed - indexed for MEDLINE]

- ☐ 5: [Ho GY, Studentsov Y, Hall CB, Bierman R, Beardsley L, Lempa M, Burk RD.](#) [Related Articles, Links](#)



Risk factors for subsequent cervicovaginal human papillomavirus (HPV) infection and the protective role of antibodies to HPV-16 virus-like particles.

J Infect Dis. 2002 Sep 15;186(6):737-42. Epub 2002 Aug 28.

PMID: 12198606 [PubMed - indexed for MEDLINE]

[Karem KL, Poon AC, Bierl C, Nisenbaum R, Unger E.](#)

[Related Articles, Links](#)

☐ 6:



Optimization of a human papillomavirus-specific enzyme-linked immunosorbent assay.

Clin Diagn Lab Immunol. 2002 May;9(3):577-82.

PMID: 11986263 [PubMed - indexed for MEDLINE]

☐ 7: Studentsov YY, Ho GY, Marks MA, Bierman R, Burk RD.

[Related Articles](#), [Links](#)



Polymer-based enzyme-linked immunosorbent assay using human papillomavirus type 16 (HPV16) virus-like particles detects HPV16 clade-specific serologic responses.

J Clin Microbiol. 2003 Jul;41(7):2827-34.

PMID: 12843008 [PubMed - indexed for MEDLINE]

☐ 8: Cubie HA, Plumstead M, Zhang W, de Jesus O, Duncan LA, Stanley MA.

[Related Articles](#), [Links](#)



Presence of antibodies to human papillomavirus virus-like particles (VLPs) in 11-13-year-old schoolgirls.

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